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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/712,472	11/12/2003	Axel Herbst	6570P057	9414

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EXAMINER

RAYYAN, SUSAN F

ART UNIT PAPER NUMBER

2167

DATE MAILED: 06/28/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/712,472

Applicant(s)

HERBST ET AL.

Examiner

Susan F. Rayyan

Art Unit

2167

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 June 2006.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 and 28-39 is/are pending in the application.
- 4a) Of the above claim(s) 15-27 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 and 28-39 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-14, 28-39 are pending.
2. Claims 15-17 are canceled.

Election/Restrictions

3. Applicant's election of Group I (claims 1-14, 28-39) in the reply filed on June 5, 2006 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-14, 28-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent Number 6,915,314 issued to Donnie Wayne Jackson et al (Jackson") and US Patent Publication Number 2005/0091195 issued to Vijay V. Sarashetti ("Sarashetti").

As per claims 1,28,35 Jackson teaches:

requesting ... of archived data objects to be deleted from a database (column 2, lines 50-53);

deleting at least one data object identified ... while requesting additional ... data objects to be deleted (column 2, lines 50-53 and column 5, lines 45-49).

Jackson does not explicitly teach identification keys. Sarashetti does teach identification keys (paragraph 18, lines 1-5) to provide a means to uniquely identify a record (paragraph 18, lines 3-4). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Jackson with identification keys to uniquely identify a record (paragraph 18, lines 3-4).

As per claim 2, same as claim arguments above and Sarashetti teaches:

wherein the archived data objects include one or more records of business data (paragraph 2).

As per claim 3, same as claim arguments above and Jackson teaches:

wherein deleting at least one data object comprises receiving at least one identification key corresponding to the at least one data object to be deleted (column 2, lines 50-53).

As per claim 4, same as claim arguments above and Jackson teaches:
wherein the at least one identification key is selected based on system administrator configurable parameters (column 4, lines 38-42 and column 5, lines 1-10).

As per claims 5,30,37 same as claim arguments above and Jackson teaches:
wherein the at least one identification key is selected from a plurality of unlocked identification keys (column 2, lines 47-53).

As per claim 6, 31,38 same as claim arguments above and Jackson teaches:
wherein the at least one identification key is selected based on logical partitions (column 2, lines 20-30).

As per claim 7,32,39 same as claim arguments above and Jackson teaches:
wherein the system administrator configurable parameters include a parameter specifying a maximum number of identification keys to be returned in response to the request for the identification keys (column 2, lines 20-30).

As per claim 8,33, same as claim arguments above and Jackson teaches:
further comprising confirming content of the at least one data object to be deleted prior to the deleting the at least one data object (column 2, lines 54-57).

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As per claim 9, 34, same as claim arguments above and Jackson teaches:

further comprising deducing location of the content of the at least one data object to be deleted from an identification key associated with the at least one data object (column 2, lines 50-52).

As per claim 10, same as claim arguments above and Jackson teaches:

wherein deleting at least one data object is performed by a delete job (column 2, lines 50-52).

As per claim 11, same as claim arguments above and Jackson teaches:

wherein a plurality of delete jobs are performed in parallel (column 5, lines 34-46).

As per claim 12, same as claim arguments above and Jackson teaches:

further comprising locking the at least one identification key of the at least one data object being deleted (column 2, lines 50-52).

As per claim 13, same as claim arguments above and Jackson teaches:

further comprising deleting identification keys of deleted objects upon receipt of a confirmation of deletion (column 3, lines 10-16).

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As per claim 14, same as claim arguments above and Jackson teaches:

wherein the archived data objects to be deleted from the database are data objects specified by a system administrator to be archived (column 2, lines 47-50).

As per claim 29, 36 same as claim arguments above and Jackson teaches:

wherein the means for deleting at least one data object comprise the means for receiving at least one identification key selected based on system administrator configurable parameters, the received at least one identification key corresponds to the at least one data objects to be deleted (column 2, lines 50-53, column 4, lines 38-42 and column 5, lines 1-10).

Contact Information


5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan Rayyan whose telephone number is (571) 272-1675. The examiner can normally be reached M-F: 8am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cottingham can be reached on (571) 272-7079. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Susan Rayyan

June 23, 2006


JOHN F. COTTINGHAM
PRIMARY EXAMINER